

1. (Currently Amended) A bone marker for use in image guided surgery, comprising:
a support having an anchor mechanism for anchoring the support in a bone, at least one reference member detectable by an image guided system, the at least one reference member being attached to the support, wherein the support comprises at least one limb that is resiliently deformable and is configured such that, when the anchor mechanism is disposed within the bone, at least a portion of the at least one limb extends away from the bone.
2. (Previously Presented) The bone marker of claim 1, wherein the support further comprises at least one limb which is rigid.
3. (Previously Presented) The bone marker of claim 1, wherein the resiliently deformable limb comprises a tightly wound helical spring.
4. (Previously Presented) The bone marker of claim 3, wherein the spring has flat abutting surfaces .
5. (Previously Presented) The bone marker of claim 1, wherein a resiliently deformable limb is made from a damped elastomer.
6. (Previously Presented) The bone marker of claim 1, wherein the resiliently deformable limb is made from a shape memory alloy.

7. (Currently Amended) The bone marker of claim 1, wherein the at least one limb has an inner diameter and an outer diameter and the ratio of the outer diameter of the resiliently deformable limb to the its inner diameter is at most 3:1.
8. (Previously Presented) The bone marker of claim 1, wherein the anchor mechanism comprises at least one fixation member for anchoring the bone marker in the bone, and a coupling member for coupling the support to the fixation member.
9. (Previously Presented) The bone marker of claim 8, wherein the coupling member is adjustable to allow rotation of the support about the fixation member.
10. (Previously Presented) The bone marker of claim 8, wherein the at least one fixation member is a threaded screw.
11. (Previously Presented) The bone marker of claim 10, wherein the diameter of the threaded screw is not more than about 2 mm.
12. (Previously Presented) The bone marker of claim 1, wherein the reference members transmit signals.
13. (Previously Presented) The bone marker of claim 1, wherein the reference members reflect signals.
14. (Cancelled)

15. (Newly Added) The bone marker of claim 1, wherein the at least one resiliently deformable limb has an axis and can be deflected up to 90 degrees away from the axis before its elastic limit is exceeded.

16. (Newly Added) The bone marker of claim 1, wherein the at least one resiliently deformable limb has an axial length and an axis and can be deflected perpendicularly away from the axis by up to a distance of 70% of the axial length before its elastic limit is exceeded.